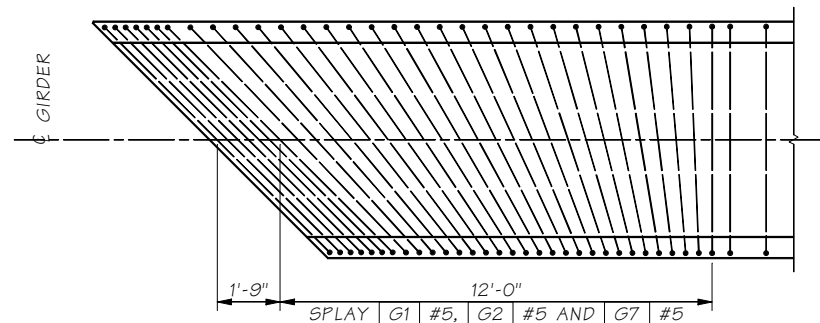
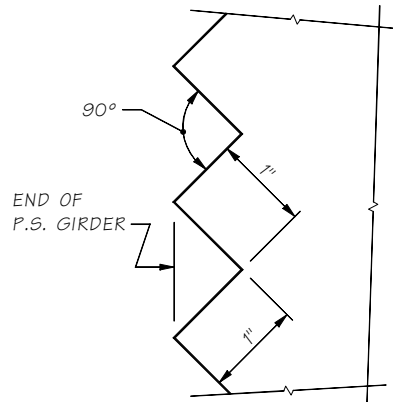


BOTTOM OF TUB SPALL PROTECTION



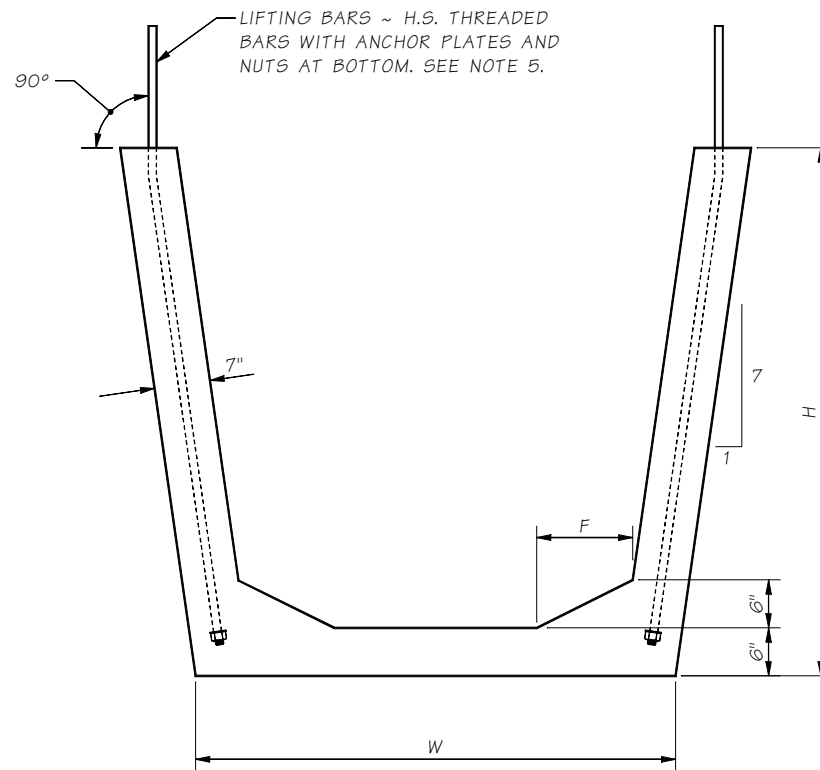
TRANSVERSE REINFORCING AT SKEWED ENDS

ONLY TRANSVERSE REINFORCING SHOWN



SAWTOOTH DETAILS

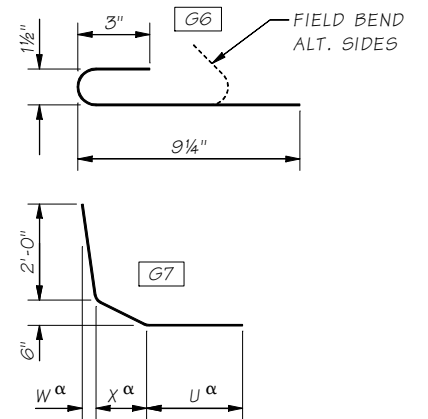
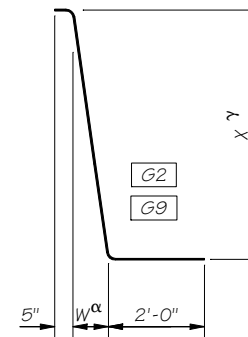
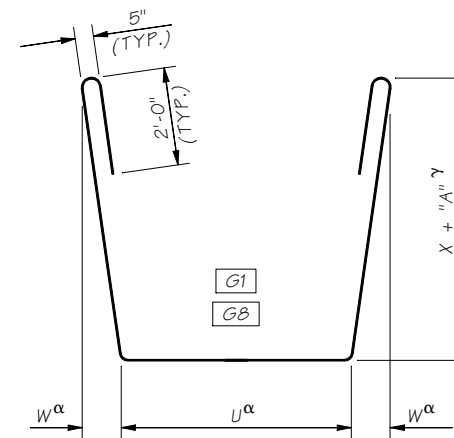
SAWTEETH ARE FULL WIDTH. USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRANDS AS SHOWN ON "TYPICAL END ELEVATION" THIS SHEET.



TYPICAL SECTION

GIRDER	F	H	W
U54G4	1'-0"	4'-6"	4'-0"
U54G5	1'-6"	4'-6"	5'-0"
U66G4	1'-0"	5'-6"	4'-0"
U66G5	1'-6"	5'-6"	5'-0"

MARK	LOCATION	SIZE	U	W	X	BENDING DIAGRAM (ALL DIMENSIONS ARE OUT TO OUT)
G1	STIRRUPS, OUTSIDE WEB	5				<p>NOTE: FOR DIMENSION "A", SEE "GIRDER SCHEDULE"</p> <p>α - VARIES FOR SKEWED ENDS. δ - #3 OR #4 MAY BE SUBSTITUTED. FIELD BENDING IS OPTIONAL. γ - SHALL BE CHECKED FOR EFFECT OF VERTICAL CURVE.</p>
G2	STIRRUPS, INSIDE WEB	5				
G3	LONGITUDINAL BOTTOM FLANGE	4				
G4	LONGITUDINAL TOP	6				
G5	LONGITUDINAL WEB	6				
G6	WEB TIE	W12 δ				
G7	BOTTOM FLANGE	5				
G8	STIRRUP, OUTSIDE WEB	4				
G9	STIRRUP, INSIDE WEB	4				
G10	LONGITUDINAL BOTTOM	4				



Bridge Design Engr.	M:\STANDARDS\Girders\Trapezoidal Tubs\TRAPEZOIDAL TUB 2.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

Tue Apr 29 13:45:47 2008

BRIDGE AND STRUCTURES OFFICE



Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

PRESTRESSED TRAPEZOIDAL TUB GIRDER DETAILS 2 OF 3

BRIDGE SHEET NO. SHEET OF SHEETS